

CLAIMS

1. A system for accessing a programmable
automatism unit (10) based on a WAP architecture, for
5 at least a standalone communicating mobile device (40),
such as a portable telephone, which integrates a
navigator (41) complying with WAP architecture, wherein
the automatism unit (10) includes one or several pieces
of automatism equipment, characterized by the fact that
10 this system includes:

-a Web server (20), embedded in a piece of
automatism equipment of the automatism unit (10),
capable of generating static or dynamic informative
data coded according to the WML language, whereby such
15 informative data may provide functions for monitoring,
viewing and controlling the automatism unit,

-a network interface (30), connected to the Web
server (20) by a global network (25) of the Internet,
Intranet or Extranet type which authorizes access to
said informative data from the WAP navigator (41) of a
20 communicating mobile device (40) through a wireless
network (35), in such a way that a user of such a WAP
navigator (41) may access functions for monitoring,
viewing and controlling the automatism unit (10).

2. The access system according to claim 1,
25 characterized by the fact that the network interface
(30) comprises a WAP gateway (31) which, upon receiving
from the Web server (20) informative data according to
WML source contents, transforms them into compiled WML
30 contents before transmitting them to a communicating
mobile device (40).

3. The access system according to claim 1, wherein the automatism unit (10) comprises at least an industrial automaton (11) having a central processing unit, characterized by the fact that the Web server (20) is either embedded in the central processing unit of the automaton (11) or embedded in an automaton module connected to the central processing unit of the automaton (11).

4. The access system according to claim 1, wherein the automatism unit (10) comprises several industrial automata (11) having a central processing unit and access to a local or global automatism network (15), characterized by the fact that the Web server (20) is connected to the automatism network (15) in order to be able to communicate with the central processing units of these automata (11).

5. The access system according to claim 2, characterized by the fact that the Web server (20) may receive through the network interface (30), a WAP command (33) as a HTTP request specifying a URL address optionally associated with parameters which may notably contain complementary requests and, on answering this WAP command, the Web server (20) generates static or dynamic informative data in WML languages which may provide the user of a WAP navigator (41) implemented in a communicating mobile device (40), with functions for monitoring, viewing and controlling the automatism unit (10).

6. The access system according to claim 2, characterized by the fact that the Web server (20) may send, on its own initiative or on the initiative of the

automatism unit (10), a notification (22) to at least a communicating mobile device (40) by using the "Push Access Protocol" as defined in WAP architecture, so that the user of a WAP navigator (41) implemented in a communicating mobile device may be informed on events or conditions concerning the automatism unit.

7. The access system according to claim 6, characterized by the fact that the Web server (20) includes in the notification (22) a list of addressees which stems from an addressee directory stored in a local memory or in a remote memory on the global network (25).

8. A programmable automatism unit characterized by the fact that it enables at least a mobile device (40) communicating through a wireless network (35) and integrating a WAP navigator (41), to access functions for monitoring, viewing and controlling the automatism unit (10) according to any of the preceding claims.